

Name **GUNUPUDI RAJESH KUMAR**

Designation Associate Professor,

Department Dept of Information Technology,

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gunupudirajesh@gmail.com



Experience (in years) : Teaching: 18 Years

Research : 10 Years (Inclusive of Teaching) Others (If any, Specify):

1. Educational / Technical qualifications:

S.No	Level (UG/PG/Ph.D)	Year of passing	Specialization
1	UG AMIE	2003	Computer Engineering
2	PG M.Tech	2010	CSE
3	Ph.D	2021	CSE

2. Teaching and Learning:

2.1. Teaching Interests:

- a) C Programming and Data Structures
- b) Object Oriented Programming through Java
- c) Operating Systems
- d) Database Management Systems
- e) Data Warehousing Data Mining
- f) Computer Networks
- g) Network Security
- h) Code of Ethics

2.2 .Novel Teaching & Learning Techniques adopted:

- a) Power Point Presentation

- b) Blooms Taxonomy
- c) WIT and WIL

2.3. Involvement in curriculum updating / Design:

- Business Intelligence
- Cloud Computing,
- OOPs through JAVA
- Internet of Things

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

Reading Books of Science, Fiction, Spiritual and Listening Music

3.2. CCA/ECA Organized:

- ◆ Technical Programme Committee Member for ACM Data 2021, Jordan
- ◆ Technical Programme Committee Member for International Conference on Engineering & MIS 2019 and took place in L.N.Gumilyov Eurasian National University - Main Campus, Astana, Kazakhstan, 06-08 June, 2019
- ◆ Technical Programme Committee Member for IEEE International Conference ICEMIS 2018 **Istanbul, TURKEY** organized during April 9-11, 2018
- ◆ Technical Programme Committee Member for IEEE International Conference ICEMIS 2017 **Monastir, TUNISIA** organized during May 8-10, 2017
- ◆ Session Chair for IEEE International Conference ICEMIS 2016 **Agadir, MOROCCO** organized during September 22-24, 2016
- ◆ Technical Programme Committee Member for IEEE International Conference ICEMIS 2016 **Agadir, MOROCCO** organized during September 22-24, 2016
- ◆ Actively participated in the committees of International Conference IACC 2017 jointly organized by IEEE and VNRVJIET during 05 Jan - 07 Jan 2017.
- ◆ Actively participated in the committees of International Conference InDaS 2014, organized by VNRVJIET, HCU during February 26, 2014 to Friday, February 28, 2014.
- ◆ Participated in the committees of 15 AICTE Sponsored FDP on Recent Trends in Cloud Computing during 3rd-15th June of 2013 in VNRVJIET.
- ◆ Organized a Guest Lecture on Google Chrome Architecture and Security by Dr Devi Prasad for B.Tech IV IT students on 3rd September, 2012

- ◆ Organized a faculty Development Programme on Security & Privacy in Cloud Computing during 25th and 26th of March 2013 sponsored by TEQIP-II
- ◆ Organized a faculty Development Programme on Program Design using MAPCODE during 27th and 29th of May 2013 sponsored by TEQIP-II
- ◆ Organized & acted as Convener for a ISTE Approved National Workshop on Simulation for Wireless Networks through NS2 and Glomosim during 12-14th, August 2010
- ◆ Technical Coordinator for Five National Conferences held in the departments of CSE/IT, EEE, ECE, ME, CIVIL in August 2011.
- ◆ National Conference on Data Mining and Mobile Communications
- ◆ National Conference on Recent Trends in Electrical Engineering
- ◆ National Conference on Recent Trends in Civil Engineering
- ◆ National Conference on Design, Manufacturing and Alternate Energy Sources
- ◆ National Conference on Optical Communications and
- ◆ Acted as ISTE Coordinator, CSI Coordinator for VITS, Since July, 2007 till May 2012.

3.3. CCA/ECA participated:

- ◆ Participated Delloit Industry and Academia Bridge Programm on 24th February, 2014
- ◆ Participated in National Level 3 days workshop on Data Analytics through R Programming at JNTU Sultanpur during 22-24 February, 2018
- ◆ Presented three research papers in IEEE ICEMIS 2017 international conference at Monstair, Tunishia during August 8-10, 2017.
- ◆ Participated three days FDP on Machine Learning and predictive analytics using R Programming at JNTU Sultanpur during February, 22-24 2018
- ◆ Presented three research papers in IEEE ICEMIS 2016 international conference at Agadir, Morocco during Sep 22-24, 2016.
- ◆ Presented a research paper in ACM Doctoral conference DocCon 2016 at Udaypur during March 3rd to 6th 2016.
- ◆ Presented three research papers in ACM ICEMIS 2015 international conference at Istanbul, Turkey during Sep 22-24, 2015
- ◆ Participated in the Virtualization workshop organized by VMWare on 16th Feb, 2016
- ◆ Presented a paper in DocCon 2016 at Udaipur, Rajasthan during March 3rd 2016.

- ◆ Attended a pre-conference workshop for International Conference on Software Engineering 2014 organized by IIT, Delhi, in Progress Software Pvt Ltd, HiTech City, Madapur on 26-06-2013
- ◆ Attended a AICTE Sponsored 15 day FDP on Recent Trends in Cloud Computing during 03-15, June 2013, at VNRVJIET
- ◆ Participated in Shadow Engineering, at Suvarna Cements, Kadad, during 31st Mar to 3rd Apr 2013
- ◆ Attended AP Advantage Software Summit in NOVATEL during 15th – 16th Sep 2012 conducted by TCS in association with ItsAP
- ◆ Attended a Seminar on Industry – Institute Interaction in CA Technologies organized by ItsAP, TCS on 16th -17th Jan 2013
- ◆ Attended a workshop on Network Administration during 15th-17th, Nov 2012 in GokarajuRangaraju College of Engineering. Under TEQIP-II
- ◆ Attended a workshop on Automata and Compiler Design during 20th -21th Jul 2012, in Sridevi College of Engineering
- ◆ Attended a 15 days AICTE Sponsored workshop on Entrepreneur Development during 15th - 30th June 2012 in VNRVJIET.
- ◆ Attended Great Indian Developer Summit 2012 Java technologies, Web technologies in IISC Bangalore organized by SaltmarchPvt Ltd during 17th-20th April, 2013
- ◆ Attended FDP On Automata and Compiler Design during 20th -21th Jul 2012 sponsored by AICTE in Sridevi College of Engineering HYD
- ◆ Attended FDP On Network Administration during 15th-17th, Nov 2012 sponsored by TEQIP-II in GRIET, HYD
- ◆ Attended FDP On EDP Workshop during 15th -30th June 2012 sponsored by TEQIP-II in VNRVJIET, Hyderabad
- ◆ Attended Advantage AP Software summit during 15th -16th sep 2012 conducted by JKC, TCS, Dept of Science & Tech, Govt of AP
- ◆ Attended Industry Institute Interaction during 16th -17th Jan 2013 conducted by TCS, Dept of Science & Tech, Govt of AP Institute Industry Interaction
- ◆ Dale Carnegie's Teacher Training Program Organized by Wipro Mission 10X during 27th March, 2012 and 2nd March, 2012.

- ◆ Great Indian Developers Summit 2012 by Saltmarch at IISc Bangalore during 17th April to 20th March, 2012.
- ◆ Attended workshop on “Research Methodologies in Thrust Areas of CSE & IT” at JNTU Jagityal on 20th Nov, 2010
- ◆ Attended workshop on Systems Integration conducted by Microsoft & IEG on 20th Feb, 2010
- ◆ Attended ISTE Sponsored STTP on Middleware Technology with Java 2 Enterprise Edition (J2EE) at Maharashtra Academy of Engineering, PUNE, Maharashtra during 22-26, Nov 2006.
- ◆ Attended STTP on Automata & UML, at Kamala Institute of Technology & Science, Singapuram during 9-11th, Feb, 2008.
- ◆ Attended Workshop on Software Testing in VITS, Karimnagar during 7-8th Feb, 2008.
- ◆ FDP on IBM Eclipse, WSAD, DB2 at MLRIT, Hyderabad conducted by IBM
- ◆ FDP on IBM-TGMC Tools at Sree Chaitanya PG College, Hanmakonda conducted by IBM
- ◆ Workshop on Campus Connect organized by CISCO at JNTU, Kukatpally

3.4. Counseling and Mentoring Activity:

- ◆ Counseling is a continuous activity during my employment and claimed successful results in many normal and abnormal cases

3.5. Committees involved in:

Department level:	National Board of Accreditation (NBA), National Assessment and Accreditation Council (NAAC) Syllabus, Mentoring, Projects (M.Tech), Projects (B.Tech)
Institute Level:	Campus Automation Management System (CAMS) NAAC – Publications NBA – Publications Disciplinary and Anti Ragging Committee Member

3.6. Outside Interaction:

- Session Chair for ICAICR 2020-Springer with Web of Science
- Program Committee Member/Reviewer for ICEMIS 2021
- Reviewer for Springer Journal of Super Computing (Scopus & WoS)
- Reviewer for IEEE Access (Scopus & WoS)

- Reviewer for Elsevier Future Generation Computer System (Scopus & WoS)
- Reviewer for Elsevier Neuro Computing (Scopus & WoS)
- Reviewer for Elsevier Multimedia Tools and Applications (Scopus & WoS)
- Reviewer for Computers in Biology and Medicine (Scopus & WoS)
- Reviewer for Elsevier Fuzzy Sets and Systems (Scopus & WoS)
- Reviewer for International Journal on Soft Computing (Scopus & WoS)
- Technical Program Committee Member for ACM ICEMIS 2015, Istanbul, Turkey
- Technical Program Committee Member for IEEE ICEMIS 2016, Agadir, Morocco
- Technical Program Committee Member for ACM ICEMIS 2017, Monastir, Tunisia,
- Technical Program Committee Member for ACM Data 2018, Porto, Portugal
- Technical Program Committee Member for ACM ICEMIS 2020, Almaty, Kazakhstan,
- Technical Program Committee Member for ACM Data 2019, American University, Dubai
- Technical Program Committee Member for ACM ICEMIS 2021, Astana, Kazakhstan
- Technical Program Committee Member for ACM ICEMIS 2018, Istanbul, Turkey
- Session Chair – Springer SI - Deep Learning and Machine Learning Techniques for Anomaly Detection in Cloud and IoT Environments ICAICR-2020

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted:

- High Performance Computing Co-Modernization (Parallelization) in association with CDAC and Intel Corp on 10th July 2015.
- Participated in the committees of AICTE Sponsored FDP on Recent Trends in Cloud Computing during 3rd-15th June of 2013 in VNRVJIET.
- Organized a Guest Lecture on Google Chrome Architecture and Security by Dr Devi Prasad for B.Tech IV IT students on 3rd September, 2012
- Organized a faculty Development Programme on Security & Privacy in Cloud Computing during 25th and 26th of March 2013 sponsored by TEQIP-II
- Organized a faculty Development Programme on Program Design using MAPCODE during 27th and 29th of May 2013 sponsored by TEQIP-II

4.2 Attended:

- Participated in the Virtualization workshop organized by VMWare on 16th Feb, 2016

- Attended a pre-conference workshop for International Conference on Software Engineering 2014 organized by IIT, Delhi, in Progress Software Pvt Ltd, HiTech City, Madapur on 26-06-2013
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- Attended FDP On Network Administration during 15th-17th, Nov 2012 sponsored by TEQIP-II in GRIET, HYD
- Attended FDP On EDP Workshop during 15th -30th June 2012 sponsored by TEQIP-II in VNRVJIET, Hyderabad

5. Academic Contribution and Research & Consultancy:

5.1 Invited Lectures:

Delivered a Lecture on Virtualization and its Impact in Indian Context on March 11th 2015, on account of National Technology Day at VisweswarayyaBhavan, Khairathabat, The Institute of Engineers(India), Hyderabad

5.2 Articles / Chapters published in Books:

Chapter on “Optimization of Access Points in Wireless Sensor Network: An Approach towards Security” in the Springer Journal Advances in Intelligent Systems and Computing Volume 348, 2015, pp 299-306, Springer Publications 2015

5.3. Books published as single author or as editor: NIL

5.4. Projects Guided:

a) UG:

- Online Visitor Tracking and Stay Monitoring.
- Online Internet Billing Tool
- DOS Interface and Utilities in C
- College Library Management -IBM TGMC-2008 and was in Top 20
- City Without Crime – IBM TGMC-2008 and was among top 5
- E-Post Office IBM TGMC – 2007.
- Insurance Company
- Online Railway Reservation System
- Internet Banking

b) PG:

- Detection of flood attacks in disruption tolerant networks
- Flooding Detection in VoIP Using Hellinger Distance
- On Demand Web Services with Quality of Service
- Detecting Flood Attacks in Disruption Tolerant Networks
- A Dynamic Approach for Network Troubleshooting using Packet Generation

5.5. Research Interests:

Data Mining,
Computer Networks,
Network Security

5.6. Ph. D Students:

- a) Enrolled: NIL
- b) Submitted: NIL
- c) Awarded: NIL

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	CLAPP: A self constructing feature clustering approach for anomaly detection	Elsevier - Future Generation Computer Systems	ISSN: 0167-739X	2.430	International
2	SLV:Sweep Line Voronoi Ad Hoc Routing Algorithm	Journal Communications in Computer and Information Science	Print ISBN 978-3-642-20572-9 Online ISBN 978-3-642-20573-6		International
3	Intrusion Detection – A Text Mining Based Approach	Special issue on “Computing Applications and Data Mining” International Journal of Computer Science and Information Security (IJCSIS)	Vol. 14 Special FEB 2016 (pp. 76-88) ISSN 1947-5500 Copyright © IJCSIS, USA.	ISI, Web of Science Scopus	International
4	A Novel Similarity Measure for Intrusion Detection using Gaussian Function	Revista Tecnica De La Facultad De Ingenieria Universidad Del Zulia	Vol. 39, No 2, PP-173-183, April - 2016 ISSN: 0254-0770 Impact Factor :0.033 SJR: 0.113	SCI,Scopus , ISI, WoS Thomson-Reuters Impact Factor – 0.033 SJR: 0.113	International

		(Technical Journal of the Faculty of Engineering, TJFE)			
S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
5	An Approach for Intrusion Detection Using Novel Gaussian Based Kernel Function.	Journal of Universal Computer Science (JUCS)	Vol. 22, No 4, pp: 589-604 ISSN: 0948-6968,	SCOPUS, ESCI, WoS, IF-0.788 SJR : 0.307 SiteScore:0.98	International
6	A Feature Clustering Based Dimensionality Reduction For Intrusion Detection (FCBDR)	IADIS International Journal on Computer Science and Information Systems	Vol. 12, No. 1, pp. 26-44 ISSN: 1646-3692	ESCI, WoS,	International
7	Optimizing business intelligence results through strategic application of software process model	International Journal of Intelligent Enterprise	Vol: 4 Issue:1-2, Pp:128-142 ISSN: 1745-3232	ESCI, WoS, SCOPUS	International
8	UTTAMA: An Intrusion Detection System Based on Feature Clustering and Feature Transformation	Foundations of Science	2019, Pages 1-27	SCIE, WoS, ISI,	International
9	An Evolutionary Feature Clustering Approach for Anomaly Detection Using	International Journal of Information Technology and Web Engineering (IJITWE)	Volume 14 Issue 4 Pages 19-49	ISSN: 1554-1045	International

	Improved Fuzzy Membership Function: Feature Clustering Approach for Anomaly Detection		Publisher IGI Global 2019		
S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
10	A machine learning approach for imputation and anomaly detection in IoT environment	Expert Systems,	13 April 2020	Online ISSN:1468-0394 © John Wiley & Sons Ltd	International
11	<u>UTTAMA: An Intrusion Detection System Based on Feature Clustering and Feature Transformation</u>	Foundations of Science	2019, Pages 1-27	SCIE, WoS, ISI,	International

5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Evolutionary approach for intrusion detection	ICEMIS 2017 Monastir, Tunisia SCOPUS, WoS, IEEE	International	Aug 8-10, 2017
2	A fuzzy measure for intrusion and anomaly detection	ICEMIS 2017, Monastir, Tunisia SCOPUS, WoS, IEEE	International	Aug 8-10, 2017

3	Text mining-based approach for intrusion detection	ICEMIS 2016, Agadir, Morocco SCOPUS, WoS, IEEE	International	Sep 22-24, 2016
4	An approach for intrusion detection using fuzzy feature clustering	ICEMIS 2016, Agadir, Morocco SCOPUS, WoS, IEEE	International	Sep 22-24, 2016
S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
5	Design of novel fuzzy distribution function for dimensionality reduction and intrusion detection	ICEMIS 2016, Agadir, Morocco SCOPUS, WoS, IEEE	International	Sep 22-24, 2016
6	Intrusion Detection Using Text Processing Techniques: A Recent Survey	ICEMIS - 2015 Publisher – ACM SCOPUS, WoS	International	2015
7	An improved k-Means Clustering algorithm for Intrusion Detection using Gaussian function	ICEMIS – 2015 Publisher – ACM SCOPUS, WoS	International	2015
8	An approach for Intrusion Detection using Text Mining Techniques	ICEMIS – 2015 Publisher – ACM SCOPUS, WoS	International	2015
9	Strategic Application of Software Process Model to Optimize Business Intelligence Results	ICEMIS - 2015 Publisher – ACM SCOPUS, WoS	International	2015
10	Significance of Reserve Based Routing Approach in MANETs	ICICN – 2011 SCOPUS	International IEEE Explore	2011
11	SLV: Sweep Line Voronoi Ad Hoc Routing Algorithm	AIM 2011, Nagpur, Maharashtra, India, April 21-22, 2011. Proceedings SCOPUS, WoS	International Springer	2011

14	<u>Similarity function for intrusion detection</u>	Proceedings of the 5th ICEMIS 2019	International	2019
15	An imputation measure for data imputation and disease classification of medical datasets	AIP Conference Proceedings 2146 (1), 020001	International	2019
S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
14	Similarity function for intrusion detection	Proceedings of the 5th International Conference on Engineering and MIS 2019	International	2019

5.9. Sponsored research Projects: NIL

5.10. Consultancy Projects: NIL

6. Awards / Honors received:

- Guest Editor for Machine Learning for Data Mining, Data Science and Data Analytics
- Session Chair for ICAICR 2020-Springer with Web of Science
- Program Committee Member/Reviewer for ICEMIS 2021
- Reviewer for Springer Journal of Super Computing (Scopus & WoS)
- Reviewer for IEEE Access (Scopus & WoS)
- Reviewer for Elsevier Future Generation Computer System (Scopus & WoS)
- Reviewer for Elsevier Neuro Computing (Scopus & WoS)
- Reviewer for Elsevier Multimedia Tools and Applications (Scopus & WoS)
- Reviewer for Computers in Biology and Medicine (Scopus & WoS)
- Reviewer for Elsevier Fuzzy Sets and Systems (Scopus & WoS)
- Reviewer for International Journal on Soft Computing (Scopus & WoS)
- Technical Program Committee Member for ACM ICEMIS 2015, Istanbul, Turkey
- Technical Program Committee Member for IEEE ICEMIS 2016, Agadir, Morocco
- Technical Program Committee Member for ACM ICEMIS 2017, Monastir, Tunisia,

- Technical Program Committee Member for ACM Data 2018, Porto, Portugal
- Technical Program Committee Member for ACM ICEMIS 2020, Almaty, Kazakhstan,
- Technical Program Committee Member for ACM Data 2019, American University, Dubai
- Technical Program Committee Member for ACM ICEMIS 2021, Astana, Kazakhstan
- Technical Program Committee Member for ACM ICEMIS 2018, Istanbul, Turkey
- Guest Editor – SI of Recent Patents Journal, Bentham Science
- Session Chair – Springer SI - Deep Learning and Machine Learning Techniques for Anomaly Detection in Cloud and IoT Environments ICAICR-2020
- Member – NAAC Coordination R&D Team
- Member – Disciplinary Committee Team, VNRVJIET
- Member – Online Teaching, Learning and Evaluation Team (OTLE Team)
- Best paper presentation awards at international conferences Istanbul, Turkey (2015) Agadir, Morocco (2016), Istanbul, Turkey (2018)
- Outstanding Reviewer Award from FGCS, Elsevier 2016
- Best paper award at ACM Conference, Kamerburgz University, Istanbul, Turkey
- Best Paper award at IEEE Conference, Agadir, Morocco
- Best paper award at ACM Conference, Altinbas University, Istanbul, Turkey
- Guest Editor for Springer Book “Deep Learning and Machine Learning Techniques for Anomaly Detection in Cloud and IoT Environments”, ICAICR 2020
- Guest Editor for Book “Recent Patents on Computer Science International Machine Learning for Data Mining”, special issue on “Data Science and Data Analytics”, Bentham Science, June, 2019
- Best Paper Award for Paper Presentation at ICEMIS 2016, IEEE Conference @ Agadir, Morocco
- Best Paper Award for Paper Presentation at ICEMIS 2015, ACM Conference @ Turkey, Istanbul
- FET-2013 Qualified
- Ratified by JNTU H, 2013
- Secured Rank 72 in PG Entrance for M.Tech Programme JNTU H
- Secured Rank 52 in CEEP-1992, SBTET, Andhra Pradesh
- ISTE(Life Member), Membership No : LM 56760
- IEI(Life Member), Membership No : A-534254/7
- CSI(Life Member), Membership No : AP-1303
- IEEE(Faculty Member), Membership No : 85030444

- ACM(Faculty Member), Membership NO: 6813858

7. Motto:

See that the technology and innovation ensure ecological balance and improve the leaving standard of the people.